DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Isabel Cantallops on February 24, 2009.

The specification has been amended as follows:

This listing of claims replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (currently amended) A computer-readable storage medium comprising instructions stored thereon that when executed by at least one computer, they cause said at least one computer to: ~~system for~~ allow~~ing~~ at least two client processes to access data through a server process, said server process stored in said medium and comprising an application managing said data and an engine, wherein

the engine is adapted to receive requests in a first language from one of client processes and issuing responses in the first language to said one of client processes, and

the engine is adapted to communicate with the application in a second language distinct from the first language, the second language being an object-oriented language, with objects having properties and associated with events; and

the application is adapted to instantiate objects, to evaluate properties of instantiated objects based on data and to react to events, in response to said engine communicating with said application; and wherein

the engine is adapted to issue responses in the first language to said one of client processes according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties of said objects and events to the application in the second language according to requests received in the first language from said one of client processes.

2. (currently amended) The ~~system~~ computer-readable storage medium of claim 1, wherein:

the engine is further adapted to receive requests in the first language from another client process and issue responses in the first language to said another client process;

the engine is adapted to issue responses in the first language to said another client process according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the first language from said another client process.

3. (currently amended) The ~~system~~ computer-readable storage medium of claim 2, wherein said instructions further cause said at least one computer to allow a client process to

communicates with the engine of the server process through an application process stored in said medium, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

4. (currently amended) The system computer-readable storage medium of claim 1, wherein

the engine is further adapted to receive requests in a third language from another client process and issue responses in the third language to said another client process, the third language being different from the first language and distinct from the second language;

the engine is adapted to issue responses in the third language to said another client process according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the third language from said another client process.

5. (currently amended) The system computer-readable storage medium of claim 4, wherein the engine is provided with a first renderer for communicating with said client process in said first language and with a second renderer for communicating with said another client process in said third language.

6. (currently amended) The system computer-readable storage medium of claim 4, wherein said instructions further cause said at least one computer to allow a client process to

communicates with the engine of the server process through an application process stored in said medium, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

7. (currently amended) The ~~system~~ computer-readable storage medium of claim 2, wherein

the engine is further adapted to receive requests in a third language from another client process and issue responses in the third language to said another client process, the third language being different from the first language and distinct from the second language;

the engine is adapted to issue responses in the third language to said another client process according to the objects instantiated by the application and to their properties;

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the third language from said another client process.

8. (currently amended) The ~~system~~ computer-readable storage medium of claim 7, wherein the engine is provided with a first renderer for communicating with said client process in said first language and with a second renderer for communicating with said another client process in said third language.

9. (currently amended) The ~~system~~ computer-readable storage medium of claim 7, wherein said instructions further cause said at least one computer to allow a client process to

communicates with the engine of the server process through an application process stored in said medium, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and also adapted to communicate with the second application and or with the second engine.

10. (currently amended) The system computer-readable storage medium of claim 1, wherein said instructions further cause said at least one computer to allow a client process to communicates with the engine of the server process through an application process stored in said medium, said application process comprising :

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

11. (currently amended) The system computer-readable storage medium of claim 1, wherein the first language includes html.

12. (canceled).

13. (canceled).

14. (previously presented) The system computer-readable storage medium of claim 1, wherein the application is a computer-aided design application.

15. (new) A computer system for allowing at least two client processes to access data through a server process, said server process comprising an application managing said data and an engine, said computer system comprising:

one or more programmable processors;

one memory storage device; and

one input device; and wherein

the engine is adapted to receive requests in a first language from one of client processes and issuing responses in the first language to said one of client processes, and

the engine is adapted to communicate with the application in a second language distinct from the first language, the second language being an object-oriented language, with objects having properties and associated with events; and

the application is adapted to instantiate objects, to evaluate properties of instantiated objects based on data and to react to events, in response to said engine communicating with said application; and wherein

the engine is adapted to issue responses in the first language to said one of client processes according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties of said objects and events to the application in the second language according to requests received in the first language from said one of client processes.

16. (new) The system of claim 15, wherein:

the engine is further adapted to receive requests in the first language from another client process and issue responses in the first language to said another client process;

the engine is adapted to issue responses in the first language to said another client process according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the first language from said another client process.

17. (new) The system of claim 16, wherein a client process communicates with the engine of the server process through an application process, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

18. (new) The system of claim 15, wherein

the engine is further adapted to receive requests in a third language from another client process and issue responses in the third language to said another client process, the third language being different from the first language and distinct from the second language;

the engine is adapted to issue responses in the third language to said another client process according to the objects instantiated by the application and to their properties; and

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the third language from said another client process.

19. (new) The system of claim 18, wherein the engine is provided with a first renderer for communicating with said client process in said first language and with a second renderer for communicating with said another client process in said third language.

20. (new) The system of claim 18, wherein a client process communicates with the engine of the server process through an application process, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

21. (new) The system of claim 16, wherein

the engine is further adapted to receive requests in a third language from another client process and issue responses in the third language to said another client process, the third language being different from the first language and distinct from the second language;

the engine is adapted to issue responses in the third language to said another client process according to the objects instantiated by the application and to their properties;

the engine is adapted to provide updated properties and events to the application in the second language according to requests received in the third language from said another client process.

22. (new) The system of claim 21, wherein the engine is provided with a first renderer for communicating with said client process in said first language and with a second renderer for communicating with said another client process in said third language.

23. (new) The system of claim 21, wherein a client process communicates with the engine of the server process through an application process, said application process comprising:

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and also adapted to communicate with the second application and or with the second engine.

24. (new) The system of claim 15, wherein a client process communicates with the engine of the server process through an application process, said application process comprising :

a second engine adapted to communicate with the client process;

a second application adapted to communicate with the second engine; and

a client interface adapted to communicate with the engine in the first language and adapted to communicate with the second application and / or with the second engine.

25. (new) The system of claim 15, wherein the first language includes html.

26. (new) The system of claim 15, wherein the application is a computer-aided design application.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 1-11, 14-26 are allowed.

The prior art of record fails to teach or fairly suggest the application is adapted to instantiate objects, to evaluate properties of instantiated objects based on data and to react to events, in response to said engine communicating with said application, wherein the engine is adapted to issue responses in the first language to said one of

client processes according to the objects instantiated by the application and to their properties and the engine is adapted to provide updated properties of said objects and events to the application in the second language according to requests received in the first language from said one of client processes, together with all other elements recited in independent claims 1 and 15.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBBIE M. LE whose telephone number is (571)272-4111. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo can be reached on (571) 272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DEBBIE M LE/
Primary Examiner, Art Unit 2168
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